

- FEDTSCHENKO, O. A. and B. A. 1923. De Generis Ophioglossum specie nova. Not. Syst. Herb. Hort. Bot. Petrop. 4: 8. Jan. 15.
- FRANCHET, ADRIEN, and LUDOVIC SAVATIER. 1879. Enum. Plant. Jap. [1]-789.<sup>3</sup>
- KOMAROV, V. L. 1934. Flora URSS. 1: [I]-XVI; [1]-302.
- LANJOUW, J. and FRANS STAFLEU. 1957. Index Herbariorum, Part. II, no. 2. Regnum Vegetabile 9: 175-295. December.
- MAXON, WILLIAM R. 1923. Occasional Notes on Old World Ferns, I. Proc. Biol. Soc. Washington 36: [169]-178. May 1.
- MIYABÉ, K. & Y. KUDO. Materials for a Flora of Hokkaido. Trans. Sapporo Nat. Hist. Soc. 6: 119-127. 1916.
- NAKAI, TAKENOSHIN. 1925. Notes on Japanese Ferns, II. Bot. Mag. Tokyo 39: [176]-203. July.
- . 1926. Notes on Japanese Ferns, IV. Bot. Mag. Tokyo 30: [371]-400. July.
- PRANTL, CARL. 1883. Systematische Uebersicht der Ophioglosseen. Ber. Deut. Bot. Ges. 1: 348-353.
- . 1884. Beiträge zur Systematik des Ophioglosseen. Jahrb. Bot. Gart. Berlin 3: [297]-350, pl. 7, 8. Preface dated December.
- THUNBERG, C. P. 1784. Flora Japonica, pp. [I]-LII, [1]-418.

### A Synopsis of Sceptridium in Japan

MAKOTO NISHIDA

Lyon (1905) emphasized the presence of a suspensor in the embryo of *Botrychium obliquum* Muhl., which had been referred to the section *Phyllotrichium*, and took this up as the chief diagnostic mark for the new genus *Sceptridium*, to which he transferred all the species previously placed in the section *Phyllotrichium*. However, almost all pteridologists since (Eames, 1936, for example) have not recognized the character of the suspensor as a valid diagnostic feature, for the gametophyte had been examined only in the single species *B. obliquum*. Eames regarded it as a specific feature that is changeable, as it is in the order Marattiales within a genus or sometimes even within the same species, as in *Angiopteris evecta* Hoffm. I found a suspensor also in the embryo of *B. japonicum* and supported Lyon's proposal for using the suspensor as a generic character (Nishida

<sup>3</sup> Concerning the dates of publication, see Ohwi, Act. Phytotax. Geobot. 2: 307, 308. November, 1933.